

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using SW model

Run on: June 23, 2005, 09:56:59 ; Search time 109.151 Seconds

(without alignments)

1271.831 Million cell updates/sec

Title: US-09-830-972-29-FUSED

Perfect score: 1850

Sequence: 1 MEDIQDQSPLVSSSDSPRPRQ.....YRDAMAKIQAKIUPGLRKRAE 361

Scoring table: BIOSTAT62

Gapext 0.1

Searched: 1717557 seqs, 384547976 residues

Total number of hits satisfying chosen parameters:

1717557

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

```

Published Applications AA:*
1: /cgm2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgm2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgm2_6/ptodata/1/pubpaa/US05_NEW_PUB.pep:*
4: /cgm2_6/ptodata/1/pubpaa/US05_PUBCOMB.pep:*
5: /cgm2_6/ptodata/1/pubpaa/PCRTGS_PUBCOMB.pep:*
6: /cgm2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
7: /cgm2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgm2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgm2_6/ptodata/1/pubpaa/US09_NEW_PUBCOMB.pep:*
10: /cgm2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgm2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgm2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgm2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
14: /cgm2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgm2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgm2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep:*
17: /cgm2_6/ptodata/1/pubpaa/US10E_PUBCOMB.pep:*
18: /cgm2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
19: /cgm2_6/ptodata/1/pubpaa/US11A_PUBCOMB.pep:*
20: /cgm2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep:*
21: /cgm2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
22: /cgm2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1833.8	99.1	373 9 US-09-789-386-6	Sequence 6, Appli
2	1833.8	99.1	373 9 US-09-765-05-6	Sequence 6, Appli
3	1833.8	99.1	373 9 US-09-893-348-24	Sequence 24, Appli
4	1833.8	99.1	373 14 US-10-050-036-72	Sequence 72, Appli
5	1833.8	99.1	373 15 US-10-048-967-8	Sequence 8, Appli
6	1833.8	99.1	373 16 US-10-052-24	Sequence 24, Appli
7	1833.8	99.1	373 17 US-10-347-669-6	Sequence 6, Appli
8	1756.9	98.7	373 16 US-10-052-258-4	Sequence 4, Appli
9	1756.9	95.0	1192 9 US-09-789-386-2	Sequence 2, Appli
10	1756.9	95.0	1192 9 US-09-758-140-6	Sequence 6, Appli
11	1756.9	95.0	1192 9 US-09-893-348-23	Sequence 23, Appli

SEQ ID NO: 6
LENGTH: 373
TYPE: PRT
ORGANISM: HOMO SAPIENS
US-09-789-386-6

Query Match Score 1833.8; DB 9; Length 373;
Best Local Similarity 96.5%; Pred. No. 9.1e-56;
Matches 360; Conservative 0; Mismatches 1; Indels 12; Gaps 1;
Oy 1 MEDLDQSPVLSSSDSSPRPQPAFKYQFVRPDEEEEEEEDDLBLLEVLRKPA 60

1 MEDLDQSPVLSSSDSSPRPQPAFKYQFVRPDEEEEEEEDDLBLLEVLRKPA 60
Db 1 MEDLDQSPVLSSSDSSPRPQPAFKYQFVRPDEEEEEEEDDLBLLEVLRKPA 60
Oy 61 AGISAAVPVTAPAGAPLMDFGNDYPVPPAPRGPLAPPAPRQPSWDPSPVSTVTPAP 120

ALIGNMENTS

RESULT 1
US-09-789-386-6
Sequence 6, Application US/09789386
GENERAL INFORMATION:
APPLICANT: PRINJUHA, RAJNAND KUMAR
TITLE OF INVENTION: NOVEL COMPOUNDS
FILE REFERENCE: GP-30165-C1
CURRENT APPLICATION NUMBER: US/09/789-386.
CURRENT FILING DATE: 2001-02-21
PRIOR APPLICATION NUMBER: U.K. 9916898.1
PRIOR FILING DATE: 1999-07-19.
PRIOR APPLICATION NUMBER: U.K. 9816024.5
PRIOR FILING DATE: 1998-07-22
PRIOR APPLICATION NUMBER: US 09/359,208
PRIOR FILING DATE: 1999-07-22
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSBQ for Windows Version 3.0

Db 61 AGLSAAPPVTPAPAGAPLIDFGNDTVPAPRGPLPAAFPVAPEROQSPDPSVSTVAP 120
 Qy 121 SPLSAAAVSPSKLPEDDEPPARPPPPASVSPQRPTPPAPAPAAPS TS----- 173
 Db 121 SPLSAAAVSPSKLPEDDEPPARPPPPASVSPQRPTPPAPAPAAPS TSPAKRG 180
 Qy 174 ----VDLLYWRDIKTTGIVFVGASLFLISLITVPSIYSTAYALALISVTISPRIYKG 228
 Db 181 SGSVVVDLLYWRDIKTTGIVFVGASLFLISLITVPSIYSTAYALALISVTISPRIYKG 240
 Qy 229 VIQAIQSKSDEGHPRAYLESVAISBEVQYSNSALGHNCNTIKELRLFLVDDLVDSL 288
 Db 241 VIQAIQSKSDEGHPRAYLESVAISBEVQYSNSALGHNCNTIKELRLFLVDDLVDSL 300
 Db 361 IQAKIPGLKRKA 373

RESULT 3
 US-09-830-348-24
 ; Sequence 24, Application US/09893348
 ; GENERAL INFORMATION:
 ; Parent No. US20020072493A1
 ; APPLICANT: EIS-BENBACH-SCHWARTZ, Michal
 ; COHEN, Irun R.
 ; APPLICANT: BESSERMAN, Pierre
 ; MOSONECO, Alon
 ; APPLICANT: MOALEM, Gilia
 ; TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR T-CELL RECEPTORS
 ; FILE REFERENCE: EIS-SCHWARTZ-2A
 ; CURRENT APPLICATION NUMBER: US/09/893,348
 ; CURRENT FILING DATE: 2001-06-28
 ; PRIORITY NUMBER: US 09/314,161
 ; PRIORITY FILING DATE: 1999-05-19
 ; PRIORITY APPLICATION NUMBER: US 09/218,277
 ; PRIORITY FILING DATE: 1998-12-22
 ; PRIORITY APPLICATION NUMBER: PCT/US98/14715
 ; PRIORITY FILING DATE: 1998-07-21
 ; PRIORITY APPLICATION NUMBER: IL 124500
 ; PRIORITY FILING DATE: 1998-05-19
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 24
 ; LENGTH: 373
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-830-348-24.

Query Match 99.1%; Score 1833.8; DB 9; Length 373;
 Best Local Similarity 96.5%; Pred. No. 9.1e-56;
 Matches 360; Conservative 0; Mismatches 1; Indels 12; Gaps 1;

Db 61 AGLSAAPPVTPAPAGAPLMDFGNDFVPPAPRGPLPAAFPVAPEROQSPDPSVSTVAP 120
 Db 61 MEDLDQSPVYSSSPRQPQPKYQFREPEBEEREEDEDDEBLEVELERKPA 60
 Db 1 MEDLDQSPVYSSSPRQPQPKYQFREPEBEEREEDEDDEBLEVELERKPA 60
 Qy 61 SPLSAAAVSPSKLEDDDEPAPRPPPAPASVSPDAEPWTTPAAPAAPSTS----- 173
 Db 121 SPLSAAAVSPSKLEDDDEPAPRPPPAPASVSPDAEPWTTPAAPAAPSTS----- 173
 Db 121 SPLSAAAVSPSKLEDDDEPAPRPPPAPASVSPDAEPWTTPAAPAAPSTS----- 173
 Qy 1 MEDLDQSPVYSSSDSPRQPQPKYQFREPEBEEREEDEDDEBLEVELERKPA 60
 Db 1 MEDLDQSPVYSSSDSPRQPQPKYQFREPEBEEREEDEDDEBLEVELERKPA 60
 Qy 61 AGLSAAPPVTPAPAGAPLMDFGNDFVPPAPRGPLPAAFPVAPEROQSPDPSVSTVAP 120
 Db 61 AGLSAAPPVTPAPAGAPLMDFGNDFVPPAPRGPLPAAFPVAPEROQSPDPSVSTVAP 120
 Qy 174 ----VDLLYWRDIKTTGIVFVGASLFLISLITVPSIYSTAYALALISVTISPRIYKG 228
 Db 181 SGSVVVDLLYWRDIKTTGIVFVGASLFLISLITVPSIYSTAYALALISVTISPRIYKG 240
 Qy 229 VIQAIQSKSDEGHPRAYLESVAISBEVQYSNSALGHNCNTIKELRLFLVDDLVDSL 288
 Db 241 VIQAIQSKSDEGHPRAYLESVAISBEVQYSNSALGHNCNTIKELRLFLVDDLVDSL 300
 Db 361 IQAKIPGLKRKA 373

RESULT 4
 US-10-060-036-72
 ; Sequence 72, Application US/10060036
 ; Publication No. US2003007144A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Benson, Darin R.

Db 121 SPLSAAAVSPSKLPEDDEPPARPPPPASVSPQRPTPPAPAPAAPS TS----- 173
 Qy 181 SGSVVVDLLYWRDIKTTGIVFVGASLFLISLITVPSIYSTAYALALISVTISPRIYKG 240
 Db 229 VIQAIQSKSDEGHPRAYLESVAISBEVQYSNSALGHNCNTIKELRLFLVDDLVDSL 288
 Db 241 VIQAIQSKSDEGHPRAYLESVAISBEVQYSNSALGHNCNTIKELRLFLVDDLVDSL 300
 Qy 289 KPAVLWVFTVGAFLGFLTLILALISLFSVPIVYERHQDHYGLANKNDAMAK 348
 Db 301 KPAVLWVFTVGAFLGFLTLILALISLFSVPIVYERHQDHYGLANKNDAMAK 360
 Qy 349 IQAKIPGLKRKA 361
 Db 361 IQAKIPGLKRKA 373